

## TELSOSPLICE TABLE AND BOARD UNIT

YOUR PLUS FOR RELIABLE AND FAST SPLICE CONNECTIONS

### Advantages at a glance

- Wide range of splices with the same machine and tooling
- Compact and light weight weld head
- Intuitive touch screen software
- User friendly and easy to operate
- Auto calibration
- Quick tooling changeover
- Reliable and safe process



**TELSONIC**  
ULTRASONICS

The TelsoSplice is a well-proven and sophisticated wire splicing system. Thanks to its strong design, it is capable of splicing from 0.35 up to 45 mm<sup>2</sup> cross section. Because of the lightweight and compact design, it is ideal for use as a portable unit on wire harness assembly boards. The same weld head can also be used in pre-fabrication and is available in various bench top and stand configurations.

The TelsoSplice is programmed and controlled through a touch screen monitor with an intuitive user interface. Individual welds and sequences can be easily defined and recalled. Various welding modes and quality windows can be configured with minimal effort. The weld quality can be ensured with multiple user levels and just-in-time statistical analysis. Thanks to the networking capabilities, easy data exchange is possible.

### Area of applications and industries

The ultrasonic splicing technology is widely used in the automotive industry and other industrial areas, where reliable electrical connections are required. Advantages of ultrasonic splicing include, lower contact resistance, cost efficiency and high resistance to corrosion.

Typical applications are splicing of stranded copper wires in pre-production and wire harness assembly boards or compaction of single wires. In addition, aluminum and copper-aluminum combinations can be welded in the same machine by utilizing special tooling.

### Characteristics and advantages

- Small and light weight weld head
- Same components in the assembly board and table versions
- Cross sections 0.35 mm<sup>2</sup> up to 45 mm<sup>2</sup>
- Stepper motor for width accuracy
- Automatic calibration
- Network connectivity for data exchange and backup
- Multiple working surfaces on the tooling for ease of maintenance and lower cost
- Illuminated work area on the tooling
- Interface for heat shrink equipment
- Ease of operation and minimal maintenance requirements

### Accessories

- Cutting module for bad splices
- Anti side splice kit
- Wire positioner
- Bar code reader
- Uninterruptible power supply
- Torque wrench kit



TelsoSplice board unit with handle and hanger assembly



Welds of copper, aluminum and combinations



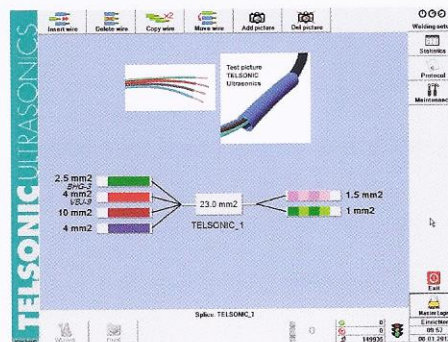
## TelsoSplice TS3 specifications

Frequency	20 kHz
Generator power	3000 W
Opening width	max. 10 mm
Cross section	0.35 to 45 mm <sup>2</sup>
Cabinet dimensions (WxHxD)	530 x 521 x 695 mm

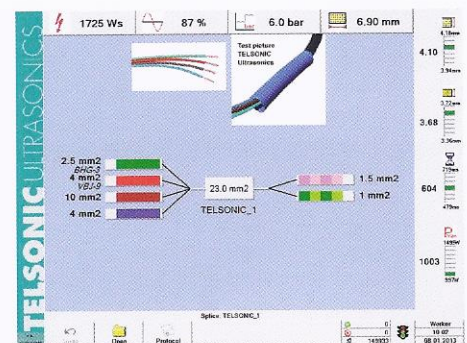
Cabinet weight	71.5 kg
Weld head weight	12.5 kg
Main power supply	3 x 400/230 V, 3 x 8 A 3 x 208 V, 3 x 16 A
Compressed nom./air max.	7 bar / 10 bar

## TelsoSplice Software

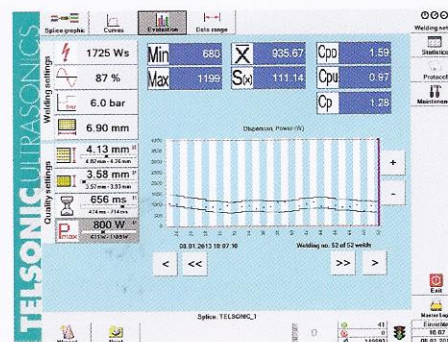
- User-friendly and intuitive to use touch screen software
- Processing of single splices and splice sequences
- Multiple user level and access management
- Various welding modes
- Quality assurance with statistical process control SPC
- Statistical evaluation and log file
- Network connectivity



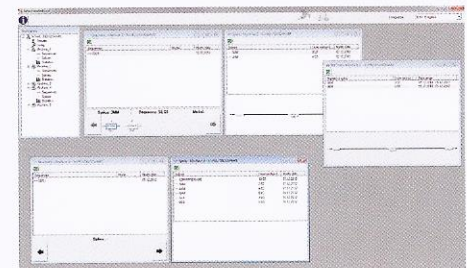
Splice editor (setup mode)



Production mode



Default/resulting parameters and statistics



TelsoSplice network administration with TelsoAdmin

**Base module**



- TelsoSplice weld head TS3
- Cabinet on casters including generator, controller and industrial PC
- Touch screen monitor
- Keyboard/mouse combination
- Pneumatics box and cable harness

**Additional components table and stand versions**

- Table options (see below)
- Weld head tilting unit built into table
- Cable assembly 3.8 m (pneumatics unit to weld head: 1.8 m)
- Emergency stop box
- Foot switch

**Additional components board version**

- Handle with emergency and start button
- Hanger assembly
- Cable assembly 15 m (pneumatics unit to weld head: 4 m)

	0.9 m x 0.9 m x 0.8 m 36" x 36" x 32"	1.2 m x 0.9 m x 0.8 m 48" x 36" x 32"	2.0 m x 1.0 m x 0.8 m 79" x 39" x 32"
	0.9 m x 0.6 m x 1.0 m 36" x 24" x 39"		

Please contact your TELSONIC sales representative for different table sizes.

**TELSONIC**  
ULTRASONICS

**TELSONIC AG**  
Industriestrasse 6b  
9552 Bronschhofen  
Switzerland  
Tel. +41 71 913 98 88  
Fax +41 71 913 98 77  
E-Mail [info@telsonic.com](mailto:info@telsonic.com)

**TELSONIC GmbH**  
Gundstrasse 15  
91056 Erlangen  
Germany  
Tel. +49 9131 687 89 0  
Fax +49 9131 687 89 77  
E-Mail [info.de@telsonic.com](mailto:info.de@telsonic.com)

**TELSONIC UK Ltd.**  
Units 14 & 15 Birch Copse  
Technology Road  
Poole, Dorset BH17 7FH  
United Kingdom  
Tel. +44 1202 697340  
Fax +44 1202 693674  
E-Mail [sales.uk@telsonic.com](mailto:sales.uk@telsonic.com)

**TELSONIC d.o.o**  
Atar 95  
21241 Kač  
Serbia  
Tel. +38 121 6210 010  
Fax +38 121 6213 738  
E-Mail [info.rs@telsonic.com](mailto:info.rs@telsonic.com)

**TELSONIC Ultrasonics Inc.**  
50350 Rizzo Drive  
Shelby Township, MI 48315  
USA  
Tel. +1 586 802 0033  
Fax +1 586 802 0034  
E-Mail [info.us@telsonic.com](mailto:info.us@telsonic.com)

**TELSONIC Solutions**  
10 Ossipee Road, P.O.Box 38  
Newton Upper Falls,  
MA 02464-0001  
USA  
Tel. +1 617 244 0400  
Fax +1 617 415 1555  
E-Mail [info@telsonicmetal.com](mailto:info@telsonicmetal.com)

**TELSONIC Ultrasonic Equipment (Shanghai) Co., Ltd.**  
4th floor, Building 20  
1525 MingQiang Road  
Songjiang Shanghai, 201612  
China  
Tel. +86 21 3373 0230  
Fax +86 21 3373 0231  
E-Mail [info.cn@telsonic.com](mailto:info.cn@telsonic.com)

You can locate our  
worldwide representatives  
at [www.telsonic.com](http://www.telsonic.com)